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CLAIMS

- 1 1. A sleeping compartment (10) for a truck having a cab mounted on a chassis frame,
2 said sleeping compartment comprising
3 a floor (20) with lateral portions and a pair of sidewalls (22) extending upwardly from
4 said lateral portions of said floor;
5 a seat (60) mounted on one of said sidewalls and including a seat back (64) fixed to said
6 one sidewall and a seat bottom (66) moveable from a substantially vertical stowed position
7 adjacent said one sidewall and a substantially horizontal deployed position projecting from said
8 one sidewall; and
9 a seat support (34) mounted on said floor and movable from a stowed position
10 substantially flush with said floor to a deployed position protruding upwardly from said floor to
11 support said seat bottom in said deployed position.
- 1 2. The sleeping compartment of claim 1, wherein said seat support (34) includes a panel
2 hinged to said floor, and wherein a corresponding outboard portion (30) of said floor extends
3 downwardly from said panel to define a storage space (32) beneath said panel.
- 1 3. The sleeping compartment of claim 2, further comprising a first access opening (33) in
2 an exterior of said one sidewall (22) in communication with said storage space (32).
- 1 4. The sleeping compartment of claim 3, further comprising a storage bin (36) disposed
2 in said storage space (32) and accessible from outside said compartment via said access opening
3 (33) in said one sidewall.
- 1 5. The sleeping compartment of claim 3, wherein said seat bottom (66) and said support
2 (34) define additional space (80) above said outboard storage space (32) when deployed, and
3 further comprising an access panel (62) mounted over a second access opening in an exterior of
4 said sidewall at a location corresponding to said additional space, said access panel being
5 moveable between a closed position covering said second access opening and an open position
6 exposing said second access opening to provide access to the additional space.

1 6. The sleeping compartment of claim 5, wherein said first and second access openings
2 (33) are contiguous.

1 7. The sleeping compartment of claim 2, wherein a third access opening (50) is formed
2 through said panel (34) and further comprising a secondary panel (52) moveable between a
3 closed position covering said third access opening and an open position permitting access to said
4 storage space (32) through said third access opening.

1 8. The sleeping compartment of claim 7, and further comprising a linkage (70)
2 connecting said seat bottom (66) and said panel (34) such that said seat bottom and said panel
3 move together between said stowed and deployed positions.

1 9. The sleeping compartment of claim 8, wherein said linkage (70) includes an arm (72)
2 with a slot (76) extending between said seat bottom and said panel, and a slide (78) mounted on
3 one of said seat bottom (66) and said panel (34) and disposed within said slot.

1 10. The sleeping compartment of claim 1, further comprising a rear assembly (16, 86,
2 86', 86'') connected to rear edges of said floor and said sidewalls.

1 11. The sleeping compartment of claim 10, wherein said rear assembly includes at least
2 one of a bed (96, 96'), a table (98, 98'), and a cabinet (94, 94', 104, 106).

1 12. The sleeping compartment of claim 10, wherein said rear assembly includes a bed
2 (96, 96') mounted on said rear assembly for movement between a substantially vertical stowed
3 position adjacent said rear assembly and a substantially horizontal extended position projecting
4 from said rear assembly.

1 13. The sleeping compartment of claim 12, further comprising a table (98, 98') mounted
2 on a bottom surface of said bed (96, 96') for movement between a stowed position against said
3 bottom surface and a substantially horizontal extended position projecting from said bottom
4 surface when said bed is stowed.

1 14. The sleeping compartment of claim 10, wherein said rear assembly includes a table
2 (98, 98') mounted on said rear wall assembly for movement between a substantially vertical
3 stowed position adjacent said rear wall assembly and a substantially horizontal extended position
4 projecting from said rear wall assembly.

1 15. The sleeping compartment of claim 14, wherein said table (98, 98") includes plural
2 table portions (100, 100') which are independently moveable between stowed and extended
3 positions.

1 16. The sleeping compartment of claim 15, wherein said table portions (100, 100')
2 include curved edges opposing one another when the table portions are both in stowed or
3 extended positions.

1 17. The sleeping compartment of claim 11, wherein said floor (20), side walls (22, 22',
2 22"), and seat (60) are part of a first module (14, 14', 14"), said rear assembly is part of a second
3 module (16, 86, 86', 86"), and said first and second modules are manufactured separately and
4 joined together to form said sleeping compartment (10).

1 18. A sleeping compartment (10) for a truck having a cab mounted on a frame chassis,
2 said sleeping compartment comprising
3 a floor (20) with lateral edges;
4 a pair of sidewalls (22, 22', 22") extending upwardly from said lateral edges of said floor;
5 a rear wall assembly (86, 86', 86") connected to an aft end of said floor and sidewalls;
6 a bed (96, 96') with a sleeping surface mounted on said rear wall assembly for movement
7 between a stowed position where said sleeping surface is oriented vertically and a deployed
8 position where said sleeping surface is oriented horizontally.

1 19. The sleeping compartment of claim 18, further comprising a table (98, 98') mounted
2 on a bottom surface of said bed (96, 96') for movement between a stowed position against said
3 bottom surface and a substantially horizontal extended position projecting from said bottom
4 surface when said bed is stowed.

1 20. The sleeping compartment of claim 19, wherein said table (98, 98') includes plural
2 table portions (100, 100') which are independently moveable between stowed and extended
3 positions.

1 21. The sleeping compartment of claim 20, wherein said table portions (100, 100')
2 include curved edges opposing one another when said table portions are both stowed or
3 extended.

1 22. The sleeping compartment of claim 18 wherein said floor (20) and sidewalls (22, 22',
2 22'') constitute a first module (14, 14', 14'', 114), said rear wall assembly and bed (96, 96')
3 constitute a second module (86, 86', 86''), and wherein said modules are manufactured separately
4 and connected together to form a unitary sleeping compartment (10).

1 23. The sleeping compartment of claim 22, further comprising a seat (60) with a seat
2 back (64) and a seat bottom (66) disposed in said first module, wherein said bed rests on said seat
3 bottom in said deployed position.

1 24. The sleeping compartment of claim 22, further comprising a seat (60) with a seat
2 back (64) and a seat bottom (66) disposed in said first module, wherein said seat bottom is
3 disposed laterally adjacent said bed (96, 96') in said deployed position to effectively increase a
4 useable width of said bed.

1 25. The sleeping compartment of claim 22 wherein said bed (96, 96') has a length and a
2 width, said length being larger than said width, and said bed being oriented lengthwise across
3 said rear module (86, 86', 86'') in perpendicular relation to a longitudinal axis of said
4 compartment.

1 26. The sleeping compartment of claim 25 wherein said first module (14, 14', 14'', 114)
2 is at least as long as said bed (96, 96') is wide to prevent said bed from extending forwardly of
3 said first module in said deployed position.

1 27. The sleeping compartment of claim 22 wherein said bed (96, 96') has a length greater
2 than a width, said bed being oriented lengthwise along a longitudinal axis of said truck.

1 28. The sleeping compartment of claim 27 wherein said first module (14, 14', 14'') has a
2 length shorter than said bed (96, 96'), and further comprising a second module (14, 14', 14'')
3 similar to said first module connected to said first module, such that said bed extends through
4 said first module into said second module in said deployed position.

1 29. A method of fabricating a sleeping compartment (10) for a truck, said method
2 comprising the steps of
3 assembling at least one of a first type of module (14, 14', 14", 114) having a floor (20)
4 with lateral edges and a pair of sidewalls (22, 22', 22") extending upwardly from the lateral edges
5 of the floor;
6 assembling a second type of module (86, 86', 86") having a rear wall assembly with a bed
7 (96, 96') mounted thereon so as to be moveable between a stowed position wherein the sleeping
8 surface is oriented generally vertically and a deployed position wherein the sleeping surface is
9 oriented generally horizontally; and
0 attaching a module of the first type to the forward end of a module of the second type to
1 form a unitary sleeping compartment (10) for placement aft of the truck cabin.

1 30. The method of claim 29, further comprising the step of attaching a plurality of
2 modules of the first type (14, 14', 14'', 114) to one another.

- 1 31. A method of manufacturing a truck comprising the steps of
- 2 separately assembling a plurality of modules of at least two types including a first type
- 3 (14, 14', 14", 114) having a floor (20) and sidewalls (22, 22', 22") extending upwardly from
- 4 lateral edges of the floor, and a second type (86, 86', 86") having a bed (96, 96') mounted on a
- 5 wall assembly;
- 6 selecting a combination of assembled modules including at least one of said first type and
- 7 one of said second type;
- 8 arranging the selected modules end-to-end along a longitudinal axis of said truck aft of
- 9 the cab such that one of said second type is disposed aft of one of said first type; and
- 10 connecting the selected modules together to form a unitary sleeping compartment (10).

1 32. The method of claim 31 wherein the first type of module further includes a seat (60)
2 having a seat bottom (66) mounted on one of the sidewalls (22, 22', 22") for movement between
3 a stowed position and an extended position.

1 33. The method of claim 32 wherein the first type of module further includes a support
2 panel (34) mounted on the floor (20) for movement between a stowed position flush with the
3 floor and an extended position supporting the seat bottom.

1 34. The method of claim 33 wherein the first type of module further includes a storage
2 space (32) defined under the support panel (34) and accessible from outside the module for
3 storing items.

1 35. The method of claim 34 wherein the first type of module further includes a bin (36)
2 disposed within the space (32) beneath the support panel (34).

1 36. The method of claim 31 wherein the bed (96, 96') in the second type of module is
2 movable between a stowed position and an extended position.

1 37. The method of claim 36 wherein the second type of module further includes a table
2 (98, 98') mounted on a bottom surface of the bed (96, 96') for movement between a stowed
3 position and an extended position when the bed is stowed.

1 38. The method of claim 37 wherein the second type of module further includes at least
2 one cabinet (94, 94', 104, 106).

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